

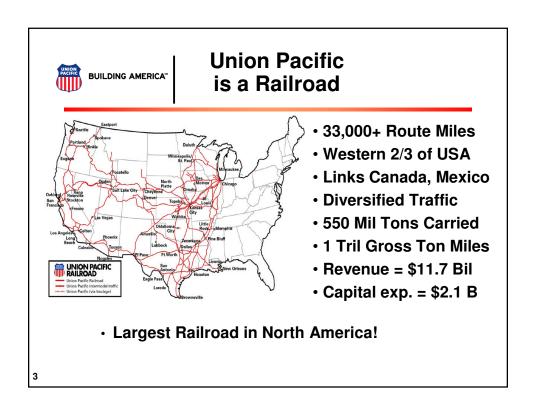


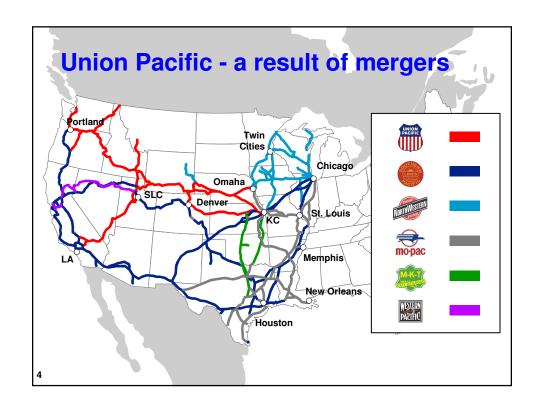
Union Pacific is a Railroad

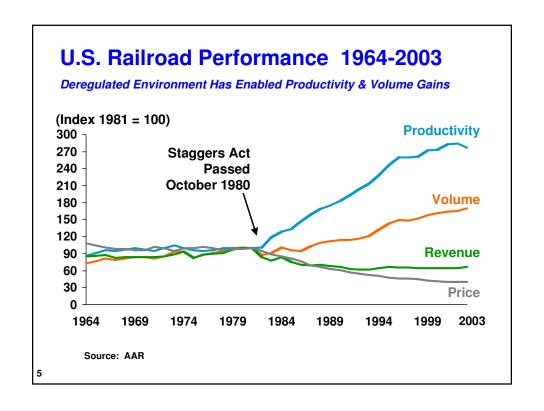


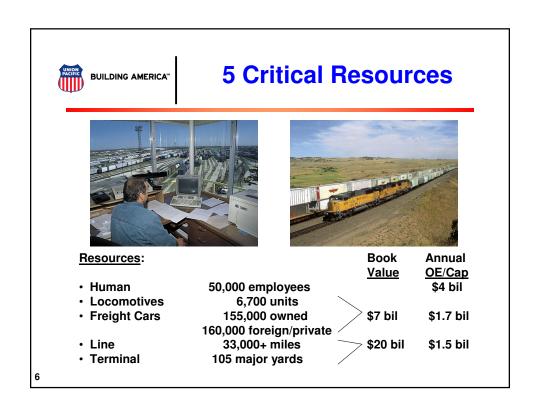
- Freight Railroad
- Private Sector
- For Profit
- Publicly Traded (NYSE: UNP)

• 140 Years in the Same Business Under the Same Name











Management Challenge





- · Service Intensive
 - Freight Transportation
 - Competitive Alternatives
- · People Intensive
- Geographically Dispersed



- Asset Intensive
 - Fixed Facilities
 - Mobile Assets
 - High Productivity Leverage

Network Resources Impact Cycle

Workforce

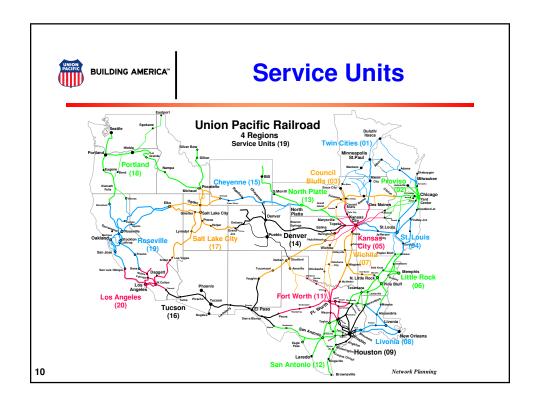
Main Lines

Locomotives



Characteristics of a Network

Multiple Nodes and Links	<u>Ur</u> ++
Alternate Paths	
	+
 Complex Operating Options 	+
 Shared Resources 	++
 Connectivity and Interaction 	





Operating Management System

Objectives & Structure

- Safety
- Service
- Value
- Leadership

Alignment

- Applied from Chief Operating Officer to 1st-Line Supervisors
- Performance Outcome Matched with Span of Control

Accountability

- Basis for Job Agreement (bi-annual review)
- Drives 25-75% of Compensation, plus Long-Term Employment

Measurement & Review

- Comprehensive Measurement System
- Daily-Weekly-Monthly Review
- Published Performance Ranking Across the Network

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Objectives & Structure

Safety

Employee

Customer

Public

Service

Premium Bulk

Manifest

Value

Workforce

Locomotive

Freight Car Line Capacity

Terminal Capacity

Leadership

Communication

- Training

System-Level Outcome

Injuries per 200,000 Man-Hours

Crossing Incidents per Million Train-Miles Derailment Incidents per Billion Ton-Miles

Intermodal Box Availability vs Commitment

Train Cycle Time vs Contract

Individual Car Delivery vs Original Schedule

Budget and Re-Crew Rate

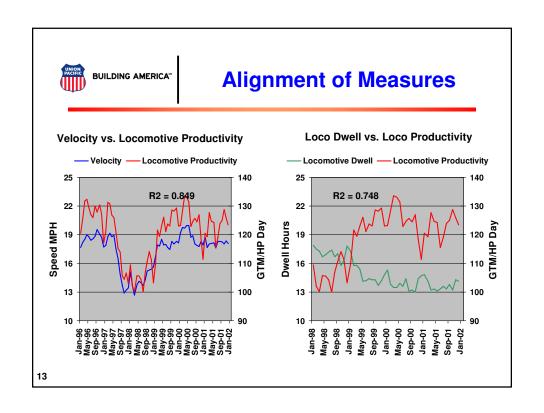
Ton-Miles per Unit and per Horsepower

Cycle time and Loads per Month

Velocity and Ton-Miles per Mile of Road

Car Dwell and Thruput

Plan Deployment and Coverage Testing and Deployment





Cascade Asset Measurement

Locomotives

<u>Level</u>	Key Outcome Indicators			
System	Gross Ton-Miles per Horsepower			
Market/Network	Mix	F	Repositioning	
Mechanical		A	Availability	
Region	Velocity	HP per T	on	Dwell
Service Unit	Velocity	HP per T	on	Dwell
Corridor	Velocity	HP per T	on	
Terminal		HP per T	on	Dwell
Shop				Dwell

